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DATA MATRIX Date March 19, 2012 EPA Reg No./File Symbol 87108-2 Page 1 of 8 Applicant's/Registrant's Name & Address JIANGSU YANGNONG CHEMICAL GROUP CO., LTD. c/o LANDIS INTERNATIONAL, INC. P.O. Box 5126 Valdosta, GA, 31603

Ingredient

Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Product Identity and Composition				
830.1550 (61-1)	Product identity and composition	40788301		OLD	
830.1600 (61-2)	Description of materials used to produce the product	48227401	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
830.1620 (61-2)	Description of the production process	48227401	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
830.1650	Description of formulation process	-	-	NA	
830.1670 (61-3)	Discussion of formation of impurities	48227401	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
	Analysis and Certified Limits				
830.1700 (62-1)	Preliminary Analysis	48227402	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
830.1750 (62-2)	Certified limits	48227401	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
830.1800 (62-3)	Enforcement analytical method	40788301		OLD	

Signature	ay m. S	alloway	Name and Title: Peggy M. Galloway, Regulatory Agent	Date 19 MAR 2012

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Date March 19, 2012 Applicant's/Registrant's Name & Address JIANGSU YANGNONG CHEMICAL GROUP CO., LTD. c/o LANDIS INTERNATIONAL, INC. P.O. Box 5126 Valdosta, GA, 31603 PAReg No./File Symbol 87108-2 Product: PDCB FLAKES

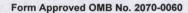
Ingredient

Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Physical and Chemical Properties				
830.6302 (63-2)	Color	40788301		OLD	
830.6303 (63-3)	Physical state	40788301		OLD	
830.6303 (63-4)	Odor	40788301		OLD	
830.6313 (63-13)	Stability to normal and elevated temperatures, metals, and metal ions	48230401	-	PL	
830.6314 (63-14)	Oxidizing or reducing action	48230401	<u> </u>	PL	
830.6315 (63-15)	Flammability	_	-	NA	
830.6316 (63-16)	Explodability	48230401	<u> </u>	PL	
830.6317 (63-17)	Storage stability	41157301	_	OLD	
830.6319 (63-19)	Miscibility			NA	
830.6320 (63-20)	Corrosion characteristics	41157301		OLD	
830.6321 (63-21)	Dielectric breakdown voltages			NA	

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DATA MATRIX Page 3 of 8 Date March 19, 2012 **EPA Reg No./File Symbol** 87108-2 Applicant's/Registrant's Name & Address Product: JIANGSU YANGNONG CHEMICAL GROUP CO., LTD. PDCB FLAKES c/o LANDIS INTERNATIONAL, INC. P.O. Box 5126 Valdosta, GA, 31603

Ingredient

Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7000 (63-12)	pH			NA	
830.7050	UV/Visible Absorption	48088901		PL	
830.7100	Viscosity			NA	
830.7200	Melting Point/Melting Range	40788301		OLD	
830.7220	Boiling Point/Boiling Range	40788301		OLD	
830.7300 (63-7)	Density, bulk density or specific gravity	40788301		OLD	
830.7370	Dissociation Constant in Water			NA	
830.7560	Partition Coefficient (octanol/water)	40891801		OLD	
830.7840	Water Solubility			NA	
830.7950	Vapor Pressure	41900301		OLD	

Signature Law M. Sallow au	Name and Title: Peggy M. Galloway, Regulatory Agent	Date 19 MAR 2012
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Signature

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DATA MATRIX

March 19, 2012 Page 4 of 8 Date 87108-2 **EPA Reg No./File Symbol** Applicant's/Registrant's Name & Address Product: JIANGSU YANGNONG CHEMICAL GROUP CO., LTD. PDCB FLAKES c/o LANDIS INTERNATIONAL, INC. P.O. Box 5126 Valdosta, GA, 31603 Ingredient Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7) **Guideline Reference Number Guideline Study Name MRID Number** Status Submitter Note **Acute Testing** OLD 40521001 870.1100 (81-1) Acute oral toxicity OLD 40521001 870.1200 (81-2) Acute dermal toxicity 41410901 OLD 870.1300 (81-3) Acute inhalation toxicity 42205301 OLD 870.2400 (81-4) Primary eye irritation OLD 870.2500 (81-5) Primary dermal irritation 42205302 OLD 870.2600 (81-6) 42205303 Dermal sensitization Subchronic Testing NA 870.3100 Oral Subchronic (rodent) Jiangsu Yangnong Chemical 43988801 OWN 870.3150 Oral Subchronic (nonrodent) Group Co., Ltd. 41315001 OLD 870.3200 21-Day Dermal

Name and Title:

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		DATA MATRIX			
Date March 19, 2012			EPA Reg No./File Symbol 87108-	2	Page 5 of 8
Applicant's/Registrant's Name & Add JIANGSU YANGNONG CHEM c/o LANDIS INTERNATIONA P.O. Box 5126 Valdosta, GA, 31603	MICAL GROUP CO., LTD.		Product: PDCB FLAKES		
Ingredient Para-dichlorobenzene (1,4-dichl	orobonzono CAS 106 46 7)			all text	
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3250	90-Day Dermal			NA	

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3250	90-Day Dermal		_	NA	
870.3465	90-Day Inhalation	41822801	Chlorobenzene Producers Association	OWN	
Developme	ntal Toxicity and Reproduction				
870.3700	Developmental Toxicity (rodent)	42619601	Chlorobenzene Producers Association	OWN	
870.3700	Developmental Toxicity (nonrodent)	40568001		OLD	
870.3800	Reproduction and Fertility Effects	41108801		OLD	
Chroni	c Toxicity Test Guidelines				
870.4100	Chronic Toxicity (rodent)		-	NA	
870.4100	Chronic Toxicity (nonrodent)	43988802	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
870.4200	Oncogenicity	40521005		OLD	
870.4300	Chronic/Oncogenicity (rat) Chronic/Oncogenicity (mouse)	40521005 40521005		OLD	

70.4300	0	Ch	ronic/Oncogenicity (mouse)	40521005		
Signature	Pen	ox m.	Lalloway		ime and Title: ggy M. Galloway, Regulatory Agent	Date 19 MAR 2012

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Date March 19, 2012 EPA Reg No./File Symbol 87108-2 Page 6 of 8 Applicant's/Registrant's Name & Address JIANGSU YANGNONG CHEMICAL GROUP CO., LTD. c/o LANDIS INTERNATIONAL, INC. P.O. Box 5126 Valdosta, GA, 31603

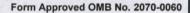
Ingredient

Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Mutag	enicity Testing Guidelines				
870.5100	Mutagenicity – Gene Mutation – Bacterial	40521004 40568002 40568003	****	OLD	
870.5275	Sex-linked Recessive Lethal Test in <i>Drosophila Melanogaster</i>	40521007		OLD	
870.5300	Mutagenicity – Gene Mutation – Mammalian	40521007 40521013 40521014		OLD	
870.5375	Mutagenicity – Structural Chromosomal Aberrations	40521007	-	OLD	
870.5395	Mutagenicity – Other Genotoxic Effects	40521012		OLD	
870.5450	Rodent Dominant Lethal Assay	40521011	-	OLD	
870.7485	UDS in Mammalian Cells	40521008		OLD	
870.5900	In vitro Sister Chromatid Exchange Assay	40521007		OLD	

/			
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Date March 19, 2012 EPA Reg No./File Symbol 87108-2 Page 7 of 8 Applicant's/Registrant's Name & Address JIANGSU YANGNONG CHEMICAL GROUP CO., LTD. c/o LANDIS INTERNATIONAL, INC. P.O. Box 5126 Valdosta, GA, 31603

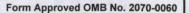
Ingredient

Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Neuro	toxicity Testing Guidelines				
870.6100	Delayed Neurotox. (hen)			NA	
870.6100	90-Day Neurotoxicity (hen)		-	NA	
870.6200	Acute Neurotox. Screening Battery	43350601	Chlorobenzene Producers Association	OWN	
870.6200	90-Day Neuro. Screening Battery (rat)	43350602	Chlorobenzene Producers Association	OWN	
870.6300	Developmental Neurotoxicity		-	NA	
Sp	ecial Testing Guidelines				
870.7485	General Metabolism	41697801	-	OLD	
870.7600	Dermal Penetration			NA	
870.7800	Immunotoxicity	TBD	_	-	To Be Submitted 2 nd Qtr 201

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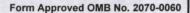


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	DA	TA MATRIX			
Date March 19, 2012			EPA Reg No./File Symbol 87108	3-2	Page 8 of 8
Applicant's/Registrant's Name & A JIANGSU YANGNONG CHE c/o LANDIS INTERNATION. P.O. Box 5126 Valdosta, GA, 31603			Product: PDCB FLAKES		
Ingredient	blorobonzono CAS 106 46 7				
Para-dichlorobenzene (1,4-dich Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Avia	n and Mammalian Testing				
850.2100 (71-1)	Avian acute oral	_	-	NA	
Aqu	uatic Organisms Testing				
850.1075 (72-1)	Freshwater fish acute LC50		-	NA	
850.1010 (72-2)	Freshwater invertebrate acute EC50		-	NA	
850.1075 (72-3a)	Estuarine/marine fish acute LC50 (sheepshead minnow)			NA	
	Applicator Exposure				
875.2400 (133-3)	Dermal Passive Dosimetry Exposure	43716501	Recochem, Inc.	PER	
875.2500 (133-4)	Inhalation Passive Dosimetry Exposure	TBD	_		To Be Submitted 2 nd Otr 2012

Signature	on M. Salloway	Name and Title: Peggy M. Galloway, Regulatory Agent	Date 19 MAR 2012

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Date March 19, 2012 Applicant's/Registrant's Name & Address JIANGSU YANGNONG CHEMICAL GROUP CO., LTD. c/o LANDIS INTERNATIONAL, INC. P.O. Box 5126 Valdosta, GA, 31603 Page 1 of 8 Product: PDCB FLAKES

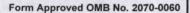
Ingredient

Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Product Identity and Composition				
830.1550 (61-1)	Product identity and composition	40788301		OLD	
830.1600 (61-2)	Description of materials used to produce the product	48227401	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
830.1620 (61-2)	Description of the production process	48227401	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
830.1650	Description of formulation process	-	-	NA	
830.1670 (61-3)	Discussion of formation of impurities	48227401	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
	Analysis and Certified Limits				
830.1700 (62-1)	Preliminary Analysis	48227402	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
830.1750 (62-2)	Certified limits	48227401	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
830.1800 (62-3)	Enforcement analytical method	40788301		OLD	

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Signature	ym. Sa	lloway	Name and Title: Peggy M. Galloway, Regulatory Agent	Date 19 MAR 2012

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Date March 19, 2012 EPA Reg No./File Symbol 87108-2 Page 2 of 8 Applicant's/Registrant's Name & Address JIANGSU YANGNONG CHEMICAL GROUP CO., LTD. c/o LANDIS INTERNATIONAL, INC. P.O. Box 5126 Valdosta, GA, 31603

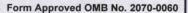
Ingredient

Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Physical and Chemical Properties				
830.6302 (63-2)	Color	40788301		OLD	
830.6303 (63-3)	Physical state	40788301	-	OLD	
830.6303 (63-4)	Odor	40788301		OLD	
830.6313 (63-13)	Stability to normal and elevated temperatures, metals, and metal ions	48230401	-	PL	
830.6314 (63-14)	Oxidizing or reducing action	48230401		PL	
830.6315 (63-15)	Flammability			NA	
830.6316 (63-16)	Explodability	48230401		PL	
830.6317 (63-17)	Storage stability	41157301	<u> </u>	OLD	
830.6319 (63-19)	Miscibility			NA	
830.6320 (63-20)	Corrosion characteristics	41157301		OLD	
830.6321 (63-21)	Dielectric breakdown voltages			NA	

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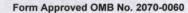
DATA MATRIX March 19, 2012 Page 3 of 8 Date **EPA Reg No./File Symbol** 87108-2 Applicant's/Registrant's Name & Address Product: JIANGSU YANGNONG CHEMICAL GROUP CO., LTD. PDCB FLAKES c/o LANDIS INTERNATIONAL, INC. P.O. Box 5126 Valdosta, GA, 31603

Ingredient

Para-dichlorobenzene (1.4-dichlorobenzene CAS 106-46-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7000 (63-12)	pH			NA	
830.7050	UV/Visible Absorption	48088901	_	PL	
830.7100	Viscosity			NA	
830.7200	Melting Point/Melting Range	40788301		OLD	
830.7220	Boiling Point/Boiling Range	40788301		OLD	
830.7300 (63-7)	Density, bulk density or specific gravity	40788301		OLD	
830.7370	Dissociation Constant in Water			NA	
830.7560	Partition Coefficient (octanol/water)	40891801		OLD	
830.7840	Water Solubility			NA	
830.7950	Vapor Pressure	41900301		OLD	

Signature Law M. Lallow ay	Name and Title: Peggy M. Galloway, Regulatory Agent	Date 19 MAR 2012
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DATA MATRIX March 19, 2012 Page 4 of 8 Date **EPA Reg No./File Symbol** 87108-2 Applicant's/Registrant's Name & Address Product: JIANGSU YANGNONG CHEMICAL GROUP CO., LTD. PDCB FLAKES c/o LANDIS INTERNATIONAL, INC. P.O. Box 5126 Valdosta, GA, 31603 Ingredient Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7) Guideline Reference Number **Guideline Study Name MRID Number** Submitter Status Note **Acute Testing** OLD 870.1100 (81-1) 40521001 Acute oral toxicity 870.1200 (81-2) 40521001 OLD Acute dermal toxicity 41410901 OLD 870.1300 (81-3) Acute inhalation toxicity 42205301 OLD 870.2400 (81-4) Primary eye irritation OLD 42205302 870.2500 (81-5) Primary dermal irritation 870.2600 (81-6) Dermal sensitization 42205303 OLD Subchronic Testing NA 870.3100 Oral Subchronic (rodent) Jiangsu Yangnong Chemical OWN 43988801 870.3150 Oral Subchronic (nonrodent) Group Co., Ltd. 41315001 OLD 870.3200 21-Day Dermal

Signature

Name and Title:
Peggy M. Galloway, Regulatory Agent

Date
19 MAR 2012

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Date March 19, 2012 EPA Reg No./File Symbol 87108-2 Page 5 of 8 Applicant's/Registrant's Name & Address JIANGSU YANGNONG CHEMICAL GROUP CO., LTD. c/o LANDIS INTERNATIONAL, INC. P.O. Box 5126 Valdosta, GA, 31603

Ingredient

Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3250	90-Day Dermal			NA	
870.3465	90-Day Inhalation	41822801	Chlorobenzene Producers Association	OWN	
Developme	ntal Toxicity and Reproduction				
870.3700	Developmental Toxicity (rodent)	42619601	Chlorobenzene Producers Association	OWN	
870.3700	Developmental Toxicity (nonrodent)	40568001		OLD	
870.3800	Reproduction and Fertility Effects	41108801	-	OLD	
Chron	ic Toxicity Test Guidelines			Real Services	
870.4100	Chronic Toxicity (rodent)	-		NA	
870.4100	Chronic Toxicity (nonrodent)	43988802	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
870.4200	Oncogenicity	40521005		OLD	
870.4300	Chronic/Oncogenicity (rat) Chronic/Oncogenicity (mouse)	40521005 40521005		OLD	

Signature Por M. Sallaway	Name and Title: Peggy M. Galloway, Regulatory Agent	Date 19 MAR 2012

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Date March 19, 2012 EPA Reg No./File Symbol 87108-2 Page 6 of 8 Applicant's/Registrant's Name & Address JIANGSU YANGNONG CHEMICAL GROUP CO., LTD. c/o LANDIS INTERNATIONAL, INC. P.O. Box 5126 Valdosta, GA, 31603

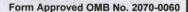
Ingredient

Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Mutag	enicity Testing Guidelines				
870.5100	Mutagenicity – Gene Mutation – Bacterial	40521004 40568002 40568003		OLD	
870.5275	Sex-linked Recessive Lethal Test in <i>Drosophila Melanogaster</i>	40521007		OLD	
870.5300	Mutagenicity – Gene Mutation – Mammalian	40521007 40521013 40521014		OLD	
870.5375	Mutagenicity – Structural Chromosomal Aberrations	40521007	-	OLD	
870.5395	Mutagenicity – Other Genotoxic Effects	40521012		OLD	
870.5450	Rodent Dominant Lethal Assay	40521011		OLD	
870.7485	UDS in Mammalian Cells	40521008		OLD	
870.5900	In vitro Sister Chromatid Exchange Assay	40521007		OLD	

Signature	an m. Dolloway	Name and Title: Peggy M. Galloway, Regulatory Agent	Date 19 MAR 2012

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DATA MATRIX					
Date March 19, 2012	EPA Reg No./File Symbol 87108-2 Page 7 of 8				
Applicant's/Registrant's Name & Address	Product:				
JÍANGSU YANGNONG CHEMICAL GROUP CO., LTD. c/o LANDIS INTERNATIONAL, INC.	PDCB FLAKES				
P.O. Box 5126					
Valdosta, GA, 31603					

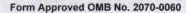
Ingredient

Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Neuro	toxicity Testing Guidelines				
870.6100	Delayed Neurotox. (hen)	_	-	NA	
870.6100	90-Day Neurotoxicity (hen)		-	NA	
870.6200	Acute Neurotox. Screening Battery	43350601	Chlorobenzene Producers Association	OWN	
870.6200	90-Day Neuro. Screening Battery (rat)	43350602	Chlorobenzene Producers Association	OWN	
870.6300	Developmental Neurotoxicity		-	NA	
Spe	ecial Testing Guidelines				
870.7485	General Metabolism	41697801	-	OLD	
870.7600	Dermal Penetration			NA	
870.7800	Immunotoxicity	TBD			To Be Submitted 2 nd Qtr 2012

Signature	1	gov M. Lalloway	Name and Title: Peggy M. Galloway, Regulatory Agent	Date 19 MAR 2012

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Date March 19, 2012			EPA Reg No./File Symbol 87108-2		Page 8 of 8
Applicant's/Registrant's Name & A JIANGSU YANGNONG CHI c/o LANDIS INTERNATION P.O. Box 5126 Valdosta, GA, 31603	EMICAL GROUP CO., LTD.		Product: PDCB FLAKES		
Ingredient					
Para-dichlorobenzene (1,4-dic	chlorobenzene, CAS 106-46-7)			Service Control	
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Avia	an and Mammalian Testing				
850.2100 (71-1)	Avian acute oral		-	NA	
Aq	uatic Organisms Testing				
850.1075 (72-1)	Freshwater fish acute LC50		_	NA	
850.1010 (72-2)	Freshwater invertebrate acute EC50		-	NA	
850.1075 (72-3a)	Estuarine/marine fish acute LC50 (sheepshead minnow)			NA	
	Applicator Exposure				
875.2400 (133-3)	Dermal Passive Dosimetry Exposure	43716501	Recochem, Inc.	PER	
875.2500 (133-4)	Inhalation Passive Dosimetry Exposure	TBD			To Be Submitted 2 nd Otr 2012

	1			
Signature	ba	m Malloway	Name and Title: Peggy M. Galloway, Regulatory Agent	Date 19 MAR 2012

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